Drawings:

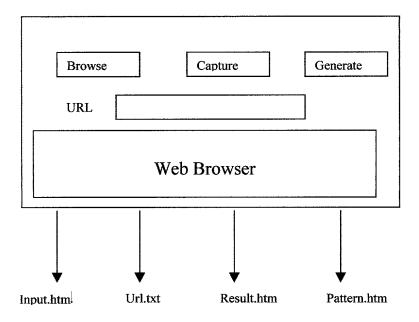


Fig. 1

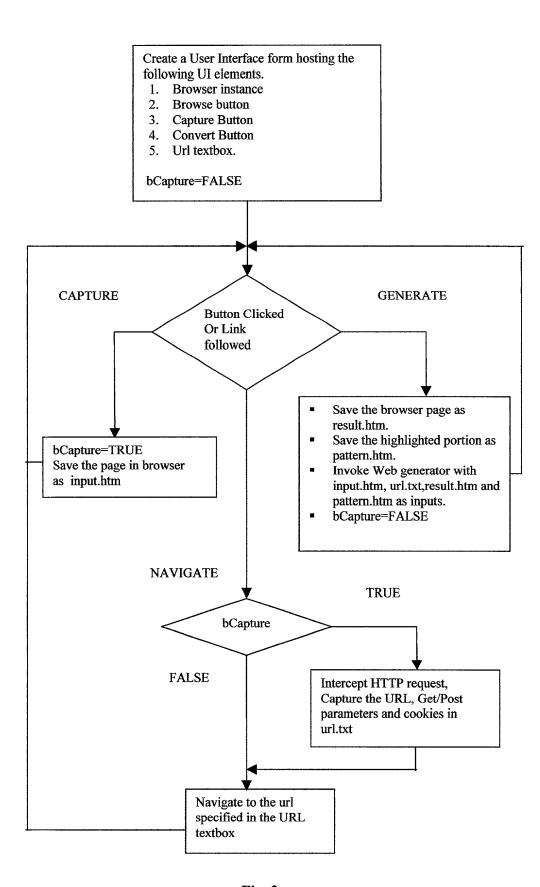


Fig. 2

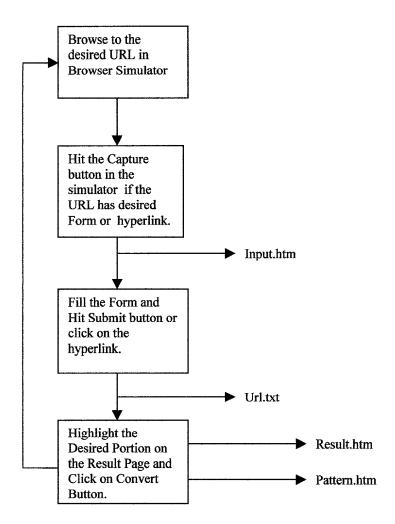


Fig. 3

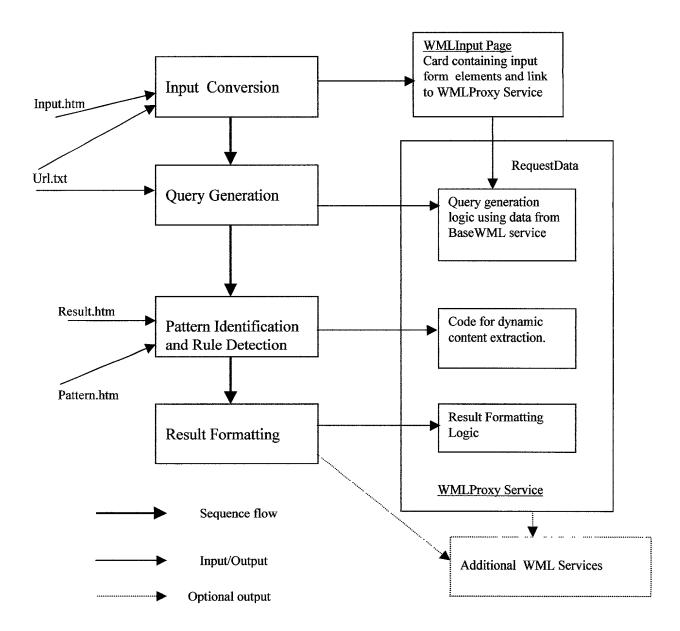


Fig. 4

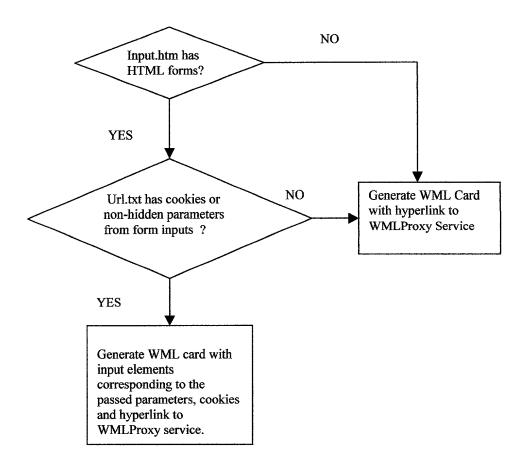


Fig. 5

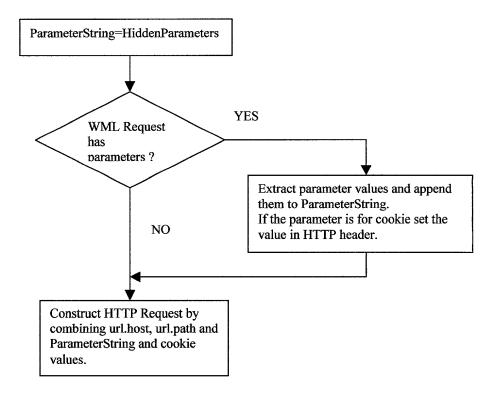


Fig. 6

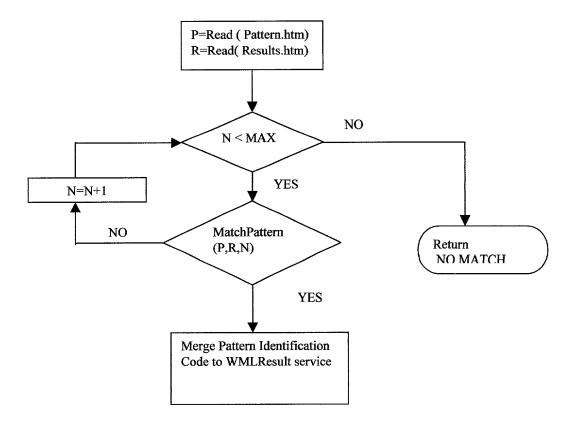


Fig. 7

- Identify the HTML element X directly containing the pattern P in results page R.
- Identify the type T of HTML element X.
- Extract the list L of all elements of type T in R.
- Compute the index I of element X in the list L.

Generate extraction routine $\operatorname{Extract}(R)$ with the following operations.

- 1. Construct a list L of all elements of type T.
- 2. Extract the element X at index I.

In simulator, Navigate to the same URL with different set of parameter values and get the new Result page R.

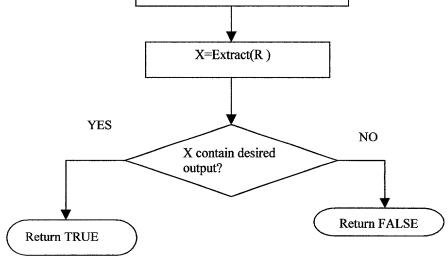


Fig. 8

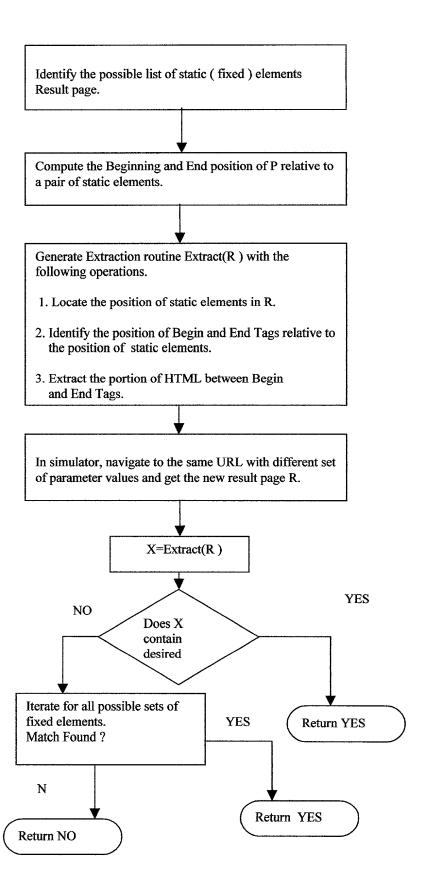


Fig. 9

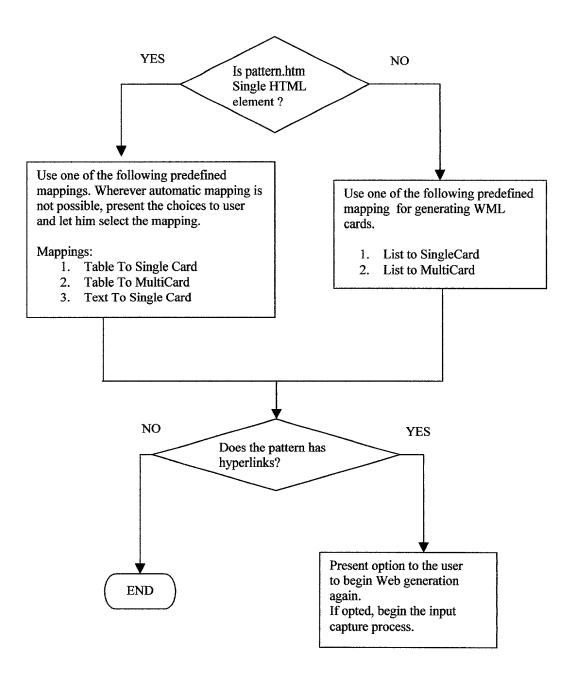


Fig. 10

Host: <hostname> Path: <relative path in host> Request Type: <*GET/POST*> RequestData: <name1>=<value1>?< Name2>=<value2>

....>

Cookies: <cName1>=<cVal1>; <cName2=cVal2> ...

Fig. 11

HTML Element Type	WML Equivalents
<form ,<="" action="url" td=""><td><pre><card id="name" title="name"></card></pre></td></form>	<pre><card id="name" title="name"></card></pre>
method=get/post name="name>	<do type="accept"></do>
	<pre>< go href="wml-url" method="post"></pre>
	<pre><postfield ,<="" name="label" pre=""></postfield></pre>
	value="\$val1">
<pre><input name="name" type="text"/></pre>	<pre><input <="" name="name" pre="" title="title"/></pre>
	type=text value="">
<pre><input type="checkbox" value="1"/></pre>	<pre><input default="Y" name="choice Y/N?"/></pre>
<pre><select name="name"></select></pre>	<pre><select <="" name="name" pre="" title="label"></select></pre>
<pre><option value="val1"> value1</option></pre>	iname="index Var" >
<pre><option value="val2"> value2</option></pre>	<pre><option value="val1">Value1</option></pre>
<pre><option value="val3"> value3</option></pre>	<pre><option value="val2">Value2</option></pre>
	<pre><option value="val3">Value3</option></pre>

Fig. 12